

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	30425	((55/261) or (36/176,177,178) or (210/194) or (366/152,1,145,4) or (422/209) or (435/1,6,41,252,3,254,2,254,3,254,11,255,4,287,1,293,1,295,2,297,2,301,1,320,1,812)).CLS.	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/11/26 10:46
S2	271	C12M001/08.ipc.	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:47
S3	16047	C12M001/34.ipc.	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:47
S4	1	C12M011/00.ipc.	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:47
S5	1187	B01J009/08.ipc.	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:47
S6	18	(reiner-luttmann.as. or kappel-wilfried.in. or gillem-toralf.in. or ajam-mohammad.in. or boettcher-lars.in. or wilhelm-bernd-ulrich.in. or rietschel-wolfgang.in.)	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:48
S7	568	(sartorius adj ag).as.	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:48
S8	22187	(S1 or S2 or S3 or S4 or S5 or S6 or S7) and (recombinant adj protein)	US_PGPUB; USPAT; USOCR_FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:49

S9	5191	\$9 and (((Pichia adj pastoris) or (P adj pastoris)) or methylotrophic)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:49
S10	34	\$9 and (((cross adj flow) or ultra or micro) adj filtration)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:50
S11	3079	\$9 and (bioread\$4 or ferment\$4)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:51
S12	2883	S11 and contin\$4	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:52
S13	5159	13* and (((cross adj flow) or ultra or micro) adj filtration)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:53
S14	13	S12 and (((cross adj flow) or ultra or micro) adj filtration)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 10:53
S15	3749	435/69/91.42/297.1/297.3/297.4/254.23/255.1/255.5/287.3/287.4/287.5/289.1.xls	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:06
S16	22272	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S15) and (recombinant adj protein)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:06

S17	5237	S16 and (((Pichia adj pastoris) or (P adj pastoris)) or methylotropic)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:07
S18	3111	S17 and (bioread\$4 or ferment\$4)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:07
S19	20	S18 and (((cross adj flow) or ultra or micro) adj filtration)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:21
S20	5342	S16 and (bioread\$4 or ferment\$4)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:22
S21	77	S20 and (((cross adj flow) or ultra or micro) adj filtration)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:22
S22	2	us-20060014239-\$ did.	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:32
S23	341	US-20060014239-\$ DID. OR US-2004035786-\$ DID. OR US-5302525-\$ DID. OR US-20040259240-\$ DID. OR US-20040178144-\$ DID. OR US-5403487-\$ DID. OR US-6228635-\$ DID. OR US-20040256321-\$ DID. OR US-5434079-\$ DID. OR US-5998173-\$ DID. OR US-4942770-\$ DID. OR US-5637496-\$ DID. OR US-5998184-\$ DID. OR US-5204001-\$ DID. OR US-4806484-\$ DID. OR US-5705390-\$ DID. OR US-5401400-\$ DID. OR US-4859588-\$ DID. OR US-5866419-\$ DID. OR US-5403479-\$ DID. OR US-4995298-\$ DID. OR US-6169491-\$ DID. OR US-5912505-\$ DID. OR US-5270189-\$ DID. OR US-4824787-\$ DID. OR US-6042677-\$ DID. OR US-5409822-\$ DID. OR US-4889812-\$ DID. OR US-5488368-\$ DID. OR US-5430000-\$ DID. OR US-4921792-\$ DID. OR US-5558774-\$ DID. OR US-5494811-\$ DID. OR US-4962003-\$ DID. OR US-5928514-\$ DID. OR US-5510247-\$ DID. OR US-5010013-\$ DID. OR US-6214227-\$ DID. OR US-5573942-\$ DID. OR US-572120-\$ DID. OR US-5585266-\$ DID. OR US-5985653-\$ DID. OR US-5591627-\$ DID. OR US-5994128-\$ DID. OR US-6616843-\$ DID. OR US-5620891-\$ DID. OR US-6096532-\$ DID. OR US-6905716-\$ DID. OR US-5755852-\$ DID. OR US-6238908-\$ DID. OR US-7118674-\$ DID. OR US-6156570-\$ DID. OR US-6391638-\$ DID. OR US-7179370-\$ DID. OR US-6204012-\$ DID. OR US-6455306-\$ DID. OR US-20040033289-\$ DID. OR US-6690181-\$ DID. OR US-6544788-\$ DID. OR US-20050194310-\$ DID. OR US-7285402-\$ DID. OR US-6607501-\$ DID. OR US-20060081534-\$ DID. OR US-20010005750-\$ DID. OR US-6780612-\$ DID. OR US-20060213831-\$ DID. OR US-20030054544-\$ DID. OR US-6905875-\$ DID. OR US-20070039888-\$ DID. OR US-20030211585-\$ DID. OR US-20020110915-\$ DID. OR US-20070138070-\$ DID. OR US-20040241835-\$ DID. OR US-20020188240-\$ DID. OR US-4771001-\$ DID. OR US-20060019388-\$ DID. OR US-2003022363-\$ DID. OR US-6146532-\$ DID. OR US-6447681-\$ DID. OR US-20030036192-\$ DID. OR US-4764471-\$ DID.	OR	ON	2007/11/26 11:33	

OR US-20050272146-\$ DID. OR US-20030143727-\$ DID. OR US-4885087-\$ DID. OR US-5968365-\$ DID. OR US-20030224354-\$ DID. OR US-5316945-\$ DID. OR US-7176017-\$ DID. OR US-20040023370-\$ DID. OR US-5464760-\$ DID. OR US-20030022364-\$ DID. OR US-20040033562-\$ DID. OR US-5583069-\$ DID. OR US-20070128713-\$ DID. OR US-20050022211-\$ DID. OR US-5951866-\$ DID. OR US-5861137-\$ DID. OR US-2006019391-\$ DID. OR US-6048727-\$ DID. OR US-5997594-\$ DID. OR US-20060148072-\$ DID. OR US-6113787-\$ DID. OR US-6222742-\$ DID. OR US-20060292690-\$ DID. OR US-6245555-\$ DID. OR US-6127141-\$ DID. OR US-5508196-\$ DID. OR US-20040063183-\$ DID. OR US-6214574-\$ DID. OR US-5830260-\$ DID. OR US-20050015084-\$ DID. OR US-6139746-\$ DID. OR US-20060166354-\$ DID. OR US-6254253-\$ DID. OR US-6214221-\$ DID. OR US-20060191848-\$ DID. OR US-5639373-\$ DID. OR US-5643794-\$ DID. OR US-4668124-\$ DID. OR US-6383380-\$ DID. OR US-5728581-\$ DID. OR US-4938972-\$ DID. OR US-6569340-\$ DID. OR US-5882918-\$ DID. OR US-4955857-\$ DID. OR US-6392763-\$ DID. OR US-5891713-\$ DID. OR US-5248424-\$ DID. OR US-656172-\$ DID. OR US-5987623-\$ DID. OR US-5288618-\$ DID. OR US-20020170859-\$ DID. OR US-20060281143-\$ DID. OR US-5362395-\$ DID. OR US-5334497-\$ DID. OR US-20070128087-\$ DID. OR US-5480552-\$ DID. OR US-6767455-\$ DID. OR US-4937196-\$ DID. OR US-5494577-\$ DID. OR US-6921483-\$ DID. OR US-5256298-\$ DID. OR US-5527467-\$ DID. OR US-5603832-\$ DID. OR US-5616304-\$ DID. OR US-5711038-\$ DID. OR US-5744105-\$ DID. OR US-5783083-\$ DID. OR US-5944997-\$ DID. OR US-6065224-\$ DID. OR US-6193893-\$ DID. OR US-6361693-\$ DID. OR US-6368819-\$ DID. OR US-6620319-\$ DID. OR US-6682652-\$ DID. OR US-6685832-\$ DID. OR US-6723245-\$ DID. OR US-6753170-\$ DID. OR US-6805806-\$ DID. OR US-6808628-\$ DID. OR US-6663817-\$ DID. OR US-6964739-\$ DID. OR US-6964741-\$ DID. OR US-6982037-\$ DID. OR US-7022231-\$ DID. OR US-7022236-\$ DID. OR US-7063786-\$ DID. OR US-7091036-\$ DID. OR US-7147778-\$ DID. OR US-7285212-\$ DID. OR US-7288197-\$ DID. OR US-20020086378-\$ DID. OR US-20020153299-\$ DID. OR US-20030136746-\$ DID. OR US-20030141248-\$ DID. OR US-20030164332-\$ DID. OR US-20030173275-\$ DID. OR US-20030192825-\$ DID. OR US-200320226797-\$ DID. OR US-20040035780-\$ DID. OR US-20040079701-\$ DID. OR US-20040108268-\$ DID. OR US-20040123637-\$ DID. OR US-20040182771-\$ DID. OR US-20040209340-\$ DID. OR US-20040238432-\$ DID. OR US-20050023199-\$ DID. OR US-20050061725-\$ DID. OR US-200500932674-\$ DID. OR US-20050173342-\$ DID. OR US-20050184002-\$ DID. OR US-20060054552-\$ DID. OR US-20060118484-\$ DID. OR US-20060131230-\$ DID.

S24	24031	\$1 or \$2 or \$3 or \$4 or \$5 or \$6 or \$7 or \$15 or \$23) and (((Pchia adj pastoris) or (P adj pastoris)) or methylotropic or (recombinant adj protein)))	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:35
S25	5807	\$24 and (bioread\$4 or ferment\$4)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:35
S26	35	\$25 and (((cross adj flow)) adj filtration)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:36
S27	4061	\$25 and (filtration)	US_PGPUB; USPAT; USCOR; FRPS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:37

S28	48	S27 and (cross adj flow)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:37
S29	135	S27 and (induc\$4 same feed)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:37
S30	4	S29 and (cross adj flow)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:38
S31	23717	S24 and (control\$4 or automati\$3 or computer or PC or (micro adj computer))	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:41
S32	5741	S31 and (bioreact\$4 or ferment\$4)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:41
S33	4022	S32 and (filtration)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:41
S34	3907	S33 and (induc\$4)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:42
S35	37	S34 and (cross adj flow)	US-PPGUB; USPAT; USCOR, FPRS; EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 11:42

S36	618	435/613.xls	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:47
S37	24033	(S1 or S2 or S3 or S4 or S5 or S6 or S7 or S15 or S23 or S36) and (((Pichia adj pastoris) or (P adj pastoris)) or methylotropic or (recombinant adj protein ))	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:47
S38	23700	S37 and (control\$3 or automata\$3 or computer or PC or (micro adj computer))	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:50
S39	5738	S38 and (bioread\$4 or ferment\$4)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:50
S40	4022	S39 and (filtration)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:51
S41	3907	S40 and (induc\$4)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:51
S42	1869	S41 and methylotropic	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:52
S43	2	S42 and (cross adj flow)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:52

S4	0	S42 and (permeate and retentate)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 11:54
S45	0	S42 and ((permeate or diffusate) and retentate)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 12:00
S46	1	S42 and (retentate)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 12:02
S47	93	S40 and (retentate)	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 12:02
S48	2	us-6492135-\$ did.	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 12:56
S49	35	S40 and ((cross adj flow) adj (filtration or membrane or microfiltration))	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 12:59
S50	6	us-20060246544-\$ did. or us-20050272124-\$ did. or us-20050260672-\$ did.	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 13:08
S51	8	chen-mary.in. or forman-lawrence-w.in.	US-PPGUB; USPAT; USCOR; FRPS; EPO; JPO; DERVENT; IBM_TDB	OR	ON	2007/11/26 13:11
S52	8	{"3926723"   "4724206"   "5122469"   "5151359"   "5284763"   "5474931"},PN, OR ("5856179"),UPRN	US-PPGUB; USPAT; USCOR	OR	ON	2007/11/26 13:17

\$S3	8439	(genentech adj inc) as.	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:18
\$S4	24885	(\$1 or \$2 or \$3 or \$4 or \$5 or \$6 or \$7 or \$15 or \$23 or \$36 or \$53) and (((Pichia adj pastoris) or (P adj pastoris)) or methylotropic or (recombinant adj protein ))	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:19
\$S5	25236	(\$1 or \$2 or \$3 or \$4 or \$5 or \$6 or \$7 or \$15 or \$23 or \$36 or \$53) and (((Pichia adj pastoris) or (P adj pastoris)) or methylotropic or (recombinant adj protein ) or (poly adj peptide))	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:19
\$S6	24867	\$S5 and (control\$3 or automati\$3 or computer or PC or (micro adj computer))	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:20
\$S7	6191	\$S6 and (bioreact\$4 or ferment\$4)	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:20
\$S8	192	\$S7 and ((cross adj flow) or (tangen\$4 adj flow))	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:21
\$S9	70	\$S8 and (retentate or filtrate)	US-PPGUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/26 13:22

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